

GERMOKILL

[Hygienic General Purpose Cleaner - Non-Acid]

INTRODUCTION

GERMOKILL is a highly concentrated disinfectant and deodorising detergent with a light fragrance. This product contains powerful antiseptic, reagent, and preservative properties. It also contains effective bactericides, disinfectants and deodorizers for the effective destruction and control of germs and bacteria. It has highly effective insect (flies) repellent properties and is excellent as a cleaning and odour removing agent for pet "*accidents*" [urine and bowel excreta stains and odours]. GERMOKILL has a high detergency factor which in turn makes it very economical and effective as a general purpose germicidal cleaner.

It is also excellent for use in cattle, poultry, pets and other livestock applications, some of which are the cleaning and sterilizing of stables, hatcheries, abattoirs, barns, kennels, pigswills, etc. This product is highly recommended for use in house-hold, hotel, hospital, veterinary, mortuary, theatre and City Council applications.

ADVANTAGES

- Mixes easily with water - yet rust inhibited
- Non-toxic under normal conditions of use
- Destroys germs and bacteria effectively
- Has a pH level between 4 and 10
- Has excellent storage stability
- Has a fast dissolving action
- Has a high detergency level
- Completely water rinsable
- Bio-degradable
- Non-flammable
- Economical

DILUTION

Toilet bowls and cisterns	:	25-50 ml per unit
High protection - mortuaries	:	1:10 up to 1:40 with water
ambulances, pigswills, kennels, etc.	:	
General protection	:	1:20 up to 1:40 with water
General application (wide areas)	:	1:50 up to 1:500 with water
Carpets and upholstery	:	1:20 up to 1:50 with water
Floors, walls & storage areas, etc.	:	1:20 up to 1:100 with water
Refuse trucks, dust bins, drains, etc.	:	1:40 up to 1:100 with water

METHOD

Toilet Bowls & Cisterns:

Pour GERMOKILL into toilet bowl, agitate with toilet brush, leave for 5 to 10 minutes and flush.
Pour 10-25 ml into cistern, agitate and leave.

General Application:

Mix solution as required, apply by means of cloth, mop, broom, brush, automatic cleaning equipment or pressurised spraying units, wash/clean accordingly, rinse and dry.

Carpets & Upholstery (machine cleaning applications):

Mix solution required and machine clean as normal.

Floors, Walls & Storage Areas, etc.:

Mix solution required [dependant on severity of soils and the amount germicidal protection required], apply, wash/clean, rinse and dry. If longer lasting germicidal protection is required - do not rinse but wipe off with damp mop.

Refuse Vehicle, Dust Bins, Drains, etc.:

Mix solution required [dependant on severity of soils and the amount germicidal protection required], apply to area/s to be cleaned and disinfected, wash/clean, rinse and dry. If longer lasting germicidal protection is required - do not rinse but wipe off with clean damp mop.

Wide Areas - Routine Traffic, etc.:

Mix solution required [dependant on severity of soils and the amount germicidal protection required], apply liberally to area/s to be cleaned and disinfected, wash/clean and wipe off with clean damp mop.

Wide Areas - as a General Germicide:

Mix solution required [dependant on the amount of germicidal protection required], apply liberally to area/s to be disinfected, agitate and wipe off with clean damp mop.

High Protection - as a Detergent and a General Germicide:

Mix solution 1:10 - 1:40 [500ml : 5 litres - 125ml : 5 litres], apply, agitate (broom, brush, apparatus), rinse with clean water and dry. Mix second solution 1:33 [150ml: 5 litre], soak clean rag/mop in solution, squeeze and wipe surfaces. Do not rinse.

TECHNICAL SPECIFICATIONS

GERMOKILL contains QUATERNARY AMMONIUM COMPOUND which is highly active against Bacterial, Fungal and Algicidal micro-organisms including the following which are commonly uncouneted in situations where a high degree of disinfectant action is required.

BACTERIA

Bacillus cereus, Bacillus subtilis, Brevibacteriumsp., Brucella abortus, Klebsiella pneumonia, Lactobacillus casei, Proteus vulgaris, Listeria monocytogenes, Pseudomonas aeruginosa, Salmonella gallinarum, Salmonella typhosa, Staphylococcus aureus. Streptococcus faecalis.

FUNGI

Trichophyton interdigitale, Chaetomium globosum, Aspergillus nigger, Coniophora puteana, Yeasts, Monilia albicans, Saccharomyces cerevisiae.

ALGAE

Chlorella pyrenoidosa, Anabena cylindrica.

TYPICAL PROPERTIES & STABILITY

Appearance:	Yellow mobile liquid.
Odour:	Mild, characteristic.
pH (1:1 Aqueous):	7.5 +/- 0.5
Solubility:	Completely soluble in water, low MW alcohols and ketones.
Amine content:	< 0.1%.

Stability:

Temperature:	Approx 120°C.
Light:	Stable / avoid storage in direct sunlight.
pH range:	4-10.
Shelf life:	12 months.

REGULATORY CLEARANCES

The active components of GERMOKILL have the following regulatory clearances.

F.D.A. 21 CFR 178.101C	F.D.A. 21 CFR 176.015
F.D.A. 21 CFR 176.300	F.D.A. 15th Recommendation.

TOXICOLOGY

GERMOKILL is a low toxicity compound recommended for disinfecting, cleaning and sterilization and for use as a fungicide and an algicide.

Detailed examination by independent Industrial Toxicological laboratories has shown GERMOKILL to have the following mammalian toxicity.

Acute Oral LD, (rat):	900mg/kg
Acute Dermal LD, (rabbit):	1000mg/kg
Primary Eye Irritation (rabbit):	Irritant

ECOLOGY

GERMOKILL is biologically degradable when diluted to below the minimum inhibitory concentration.

FIRE/EXPLOSIVE HAZARD

GERMOKILL is non-flammable and non-explosive.

CAUTIONS

Although GERMOKILL is relatively safe with no hazardous implications, it is always advisable to take the necessary precautions as is with all Chemical Products. e.g. be aware of the relevant First Aid treatment, handle with care, wash hands after use and store in a cool and safe place.

WARRANTY

We warrant our goods to conform to our standard specifications. This warranty is in lieu of any and all other warranties or guarantees. Our obligation hereunder for breach of such warranty is limited to either refund or replacement of the purchase price of said product as we may elect. We make no other warranties, expressed or implied, including those of MERCHANTABILITY and FITNESS FOR A PARTICULAR PURPOSE.

We believe that the statements, technical information and recommendations contained herein are reliable but are given without warranty or guarantee of any kind except as specified above. Beyond that specified above, we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of the use of, or inability to use, our goods. Their quality and suitability for a particular purpose or use should be confirmed by the user's own tests.

STANDARD PACKAGES

1 Litre

2 Litre

5 Litre

25 Litre

200 Litre